

The International Polar Year 2007-2008

(<http://www.ipy.org/>)

An international program of coordinated, interdisciplinary scientific research and observations in the Earth's polar regions

- **To explore new scientific frontiers**
- **To deepen our understanding of polar processes**
- **To increase our ability to detect changes**
- **To attract the next generation of polar scientists**

IPY History & Organization

- **First International Polar Year (1882-1883)**
- **Second International Polar Year (1932-1933)**
- **The International Geophysical Year (1957-58)**
- **Third International Polar Year (2007-2008)**
- **Secretariat is functioning**
- **IPY Committee has asked for Expressions of Intent**
- **Accepted activities will be endorsed by the IPY as the “official” IPY program**
- **Funding has to be sought nationally**

Expression of Intent

Inter-continental Transport and Chemical Transformation of pollutants over the Arctic region (ITCT-Arctic)

A. Stohl (NR), K. Law (FR), H. Singh (US), H. Schlager (GR), C. Reeves (UK), M. Fromm (US) , B. Belan (RS)

- **Long-range transport of gases and aerosols in & out of the Arctic region; impact on chemistry & climate**
- **Two integrated campaigns: winter/spring 2007/8 and summer 2008**
- **Summer campaign will focus on boreal forest fires influences to the Arctic**
- **Winter/spring campaign will target arctic haze & anthropogenic pollution from Eurasia**
- **Investigative tools: Aircrafts, satellites, surface networks, lagrangian balloons, models**

What Next?

- **IPY will respond to the EOI by end of March; possibly request a fuller proposal by June 30**
- **A joint IGAC/SPARC task initiative covering IPY**
- **Planning Workshop at NILU on May 23/24**
- **White paper**
- **Development of interest & resources from institutions in several countries**